

# EUROPEAN PATENT OFFICE

## Patent Abstracts of Japan

PUBLICATION NUMBER : 60263122  
PUBLICATION DATE : 26-12-85

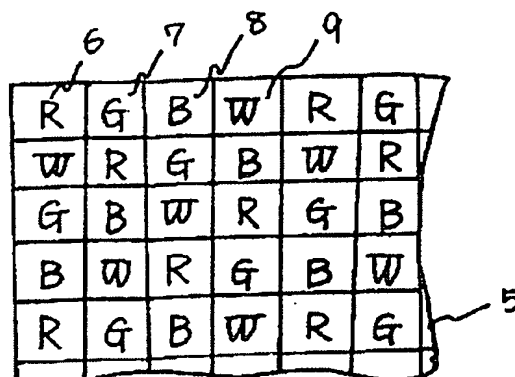
APPLICATION DATE : 11-06-84  
APPLICATION NUMBER : 59119679

APPLICANT : SEIKO EPSON CORP;

INVENTOR : OGUCHI KIKUO;

INT.CL. : G02F 1/133 G09F 9/00

TITLE : COLOR DISPLAY PANEL



ABSTRACT : PURPOSE: To increase the symmetry of a color display panel and to improve the display grade thereof by constituting said panel of 4-color picture elements consisting of three primary color picture elements added with colorless picture elements.

CONSTITUTION: The liquid crystal panel 5 making a color display is constituted of 4 kinds of the picture elements; red picture elements (R)6, green picture elements (G)7, blue picture elements (B)8 and colorless picture elements (W)9. These picture elements consist of the color picture elements of the three primary colors red, green and blue plus colorless picture elements. Since the picture elements are constituted of 4 kinds in the above-mentioned manner, the degree of freedom in the picture element array is considerably increased and particularly the array in which the picture elements of the same colors are vertically or laterally continuous can be easily avoided. An example is taken here of the red picture elements R: Said elements consist of the array where the lower right and upper left picture elements are continuous with each other and the array in which the upper right and lower left picture elements are continuous with each other. The elements are not symmetrical on the right and left when the local part such as two horizontal lines is viewed but the straight lines of the same picture elements declining toward the right and the straight lines declining toward the left exist when at least  $\geq 4$  horizontal lines are viewed. The lateral symmetry is thus improved.

COPYRIGHT: (C)1985,JPO&Japio